

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
9 September 2005 (09.09.2005)

PCT

(10) International Publication Number  
**WO 2005/082934 A2**

(51) International Patent Classification<sup>7</sup>: C07K 14/705

CA 94115 (US). WILLIAMS, Lewis, T. [US/US]; 125 Chapel Drive, Mill Valley, CA 94941 (US).

(21) International Application Number:  
PCT/US2005/005221

(74) Agents: GARRETT, Arthur, S. et al.; Finnegan, Henderson, Farabow, Garrett & Dunner, LLP, 901 New York Avenue, N.W., Washington, D.C. 20005 (US).

(22) International Filing Date: 18 February 2005 (18.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/546,385 20 February 2004 (20.02.2004) US  
60/647,013 27 January 2005 (27.01.2005) US  
60/654,229 18 February 2005 (18.02.2005) US

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (for all designated States except US): FIVE PRIME THERAPEUTICS, INC. [US/US]; 951 Gateway Boulevard, South San Francisco, CA 94080 (US).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): WANG, Yan [CN/CN]; 1075 Park Place #306, San Mateo, CA 94403 (US). COLLINS, Amy, L., Tsui [US/US]; 5955 Girvin Drive, Oakland, CA 94611 (US). HESTIR, Kevin [US/US]; 226 Arlington Avenue, Kensington, CA 94707 (US). LEE, Ernestine [US/US]; 226 Arlington Avenue, Kensington, CA 94707 (US). HALENBECK, Robert, Forgan [US/US]; 59 Golden Hinde Blvd., San Rafael, CA 94903 (US). BOSCH, Elizabeth [US/US]; 23047 Cricket Hill Road, Cupertino, CA 95014 (US). LINNEMANN, Thomas [DE/US]; 1338 Baker Street #7, San Francisco,

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NOVEL APO2L AND IL-24 POLYPEPTIDES, POLYNUCLEOTIDES, AND METHODS OF THEIR USE

(57) Abstract: Disclosed are newly identified Interleukin 24 and APO2L splice variant molecules, their polypeptide sequences, and the polynucleotides encoding the polypeptide sequences. Also provided is a procedure for producing such polypeptides by recombinant techniques employing, for example, vectors and host cells, and, for example, heterologous secretory leader sequences. Also disclosed are methods for using such polypeptides and modulators thereof for the treatment of diseases, including cancer, immune diseases, infectious diseases, and ischemic diseases.

WO 2005/082934 A2